

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11/C
1-1228
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In re the application of:

Jürgen Schulz-Harder et al

Group Art Unit: 1774

Serial No: 08/794,516

Examiner: M. Dixon

Filed : February 3, 1997

For : PROCESS FOR PRODUCING A CERAMIC
SUBSTRATE AND A CERAMIC SUBSTRATE

AMENDMENT

RECEIVED

DEC 31 1998

GROUP 1700

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

This is responsive to the Office Action mailed on
October 1, 1998. Please amend the application as follows:

In the Claims:

Please cancel claims 18-23 and substitute the following
claims:

--~~36~~. A process for producing a ceramic substrate
comprising the steps of:

providing a substrate layer comprising an aluminum
nitride ceramic;

applying a copper layer comprising copper or
copper oxide to at least one side of said substrate layer, the
copper layer being applied in an oxygen-containing atmosphere at
a temperature ranging from 800°C to 1300°C such that an
intermediate layer comprising an aluminum oxide and a copper
oxide is formed on said at least one side of the substrate layer.

37. The process of claim 36, wherein the intermediate
layer contains 0.05 to 44% by weight copper oxide.

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